

**AN ANNOTATED LIST OF THE LYCAENIDAE
(LEPIDOPTERA: RHOPALOCERA) OF THE
WESTERN HEMISPHERE**

BY WILLIAM PHILLIPS COMSTOCK AND EDGAR IRVING HUNTINGTON

[Continued]

iambe Godman, F. D. and O. Salvin, *Thecla*

Type Locality: San Francisco, Costa Rica.

Location of Type: British Museum (Natural History).

Original Description: 1887 (September), *Biologia Centrali-Americana*, Insecta, Lepidoptera-Rhopalocera, vol. 2, p. 86, vol. 3, pl. 57, figs. 28, 29 ♂ (London).

Synonyms: *jambe* Draudt.

ianthe Edwards, William H., *Chrysophanus*

Type Locality: Nevada (♂, ♀).

Location of Type:

Original Description: 1871 (January), *Trans. Amer. Ent. Soc.*, vol. 3, p. 211 (Philadelphia, Pa.).

Additional Reference: McDunnough, J. H., 1938, Check list, pt. 1, p. 26, no. 431 (Los Angeles, Calif.). (Places *ianthe* as a synonym of *nivalis* Boisduval.)

icarioides Boisduval, Jean A., *Lycaena*

Type Locality: Mountains of California, June.

Location of Type: United States National Museum?

Original Description: 1852, *Ann. Soc. Ent. France*, Series 2, vol. 10, p. 297 (Paris).

Additional Reference: Oberthür, Charles, 1913, *Etudes de Lepidopterologie Comparee*, fasc. 9, pt. 1, p. 41, pl. 237, fig. 1943 ♂ (Rennes).

Synonyms: *daedalus* Behr, *fulla* Edwards, *maricopa* Reakirt, *windi* Gunder syn., *mintha* Edwards, *mincha* Kirby syn., *phileros* Boisduval, *spinimaculata* Gunder .

Subspecies: *montis* Blackmore, *moroensis* Sternitzky, *pembina* Edwards, *ardea* Edwards, *blackmorei* Barnes and McDonnough, *buchholzi* dos Passos, *evius* Boisduval, *helios* Edwards, *helios* (Zool. Record) syn., *lycea* Edwards, *rapahoe* Reakirt, syn., *missionensis* Hovanitz.

ilavia Beutenmüller, William, *Thecla*

Type Locality: Texas.

Location of Type: American Museum of Natural History.

Original Description: 1899 (December), *Jour. New York Ent. Soc.* vol. 7, p. 254 (New York, N. Y.).

Additional Reference: McDunnough, J. H., 1938, Check list, pt. 1, p. 24,

no. 376 (Los Angeles, Calif.). (Places *ilavia* as a subspecies of *autolycus* Edwards.)

Synonyms: *mirabelle* Barnes.

illex Schaus, William, *Thecla*

Type Locality: Colombia.

Location of Type: United States National Museum, no. 5949 ♂.

Original Description: 1902, Proc. U. S. Natl. Mus., vol. 24, p. 419 (Washington, D. C.).

imma Prittwitz, O. V., *Thecla*

Type Locality: Corcovado, Rio de Janeiro, Brazil.

Location of Type:

Original Description: 1865, Stettin Ent. Zeit., vol. 26, p. 322 (Stettin).

Synonyms: *innua* (Zool. Record).

immaculata Cockle, J. W., *Thecla iroides* var.

Type Locality: Kaslo, British Columbia, May, 1897.

Location of Type:

Original Description: 1910 (June), Can. Ent., vol. 42, p. 204 (London, Ontario).

immaculata Gunder, Jean D., *Satyrium fuliginosa* tr. f.

Type Locality: McGee's Creek, near Mammoth, Mono County, California, June 20, 1926.

Location of Type: American Museum of Natural History.

Original Description: 1927 (December), Can. Ent., vol. 59, p. 283, pl. A, fig. 6 (Orillia, Ont.).

immaculata Chermock, F. H., *Plebeus lupini* ab.

Type Locality: Gold Lake District, Sierra County, California.

Location of Type: Chermock Collection?

Original Description: 1929, Bull. Brooklyn Ent. Soc., vol. 24, p. 20 (Brooklyn, N. Y.).

immaculata Lathy, Percy I., *Trichonis*

Type Locality: ?

Location of Type: Fournier Collection, Paris.

Original Description: 1930 (June), Trans. Ent. Soc. London, vol. 78, p. 133 (London).

Note: Lathy refers to Hewitson's figure of *theanus*, Illus. of Diurnal Lepidoptera, vol. 2, pl. 29, fig. 2 ♀, as illustrating his new species, saying that the figure is that of a male.

immaculosus Comstock, William P., *Strymon titus* var.

Type Locality: Provo, Utah, July 27, 1909 (collector T. Spalding).

Location of Type: American Museum of Natural History.

Original Description: 1913 (February), Bull. Brooklyn Ent. Soc., vol. 8, no. 3, p. 33, pl. 11, figs. A-H (Brooklyn, N. Y.).

imperialis Cramer, Pierre, *Papilio*

Type Locality: Surinam.

Location of Type:

Original Description: 1775, *Papillons exotiques des trois parties du monde*, vol. 1, p. 120, pl. 76, figs. E, F. (Amsterdam).

Synonyms: *venus* Fabricius.

improba Reed, E. C., *Cupido*

Type Locality: Chile.

Location of Type: Museo Nacional.

Original Description: 1877, *Una Monografía de las Mariposas Chilenas*, p. 67 (Santiago de Chile).

Additional Reference: Butler, A. G., 1881, *Trans. Ent. Soc. London*, p. 467 (London). (Places *improba* as a synonym of *adonis* Schiffermüller and Denis which is a Palaearctic species.)

inachus Cramer, Pierre, *Papilio*

Type Locality: "Indes Occidentales."

Location of Type:

Original Description: 1775, *Papillons exotiques des trois parties du monde*, vol. 1, p. 58, pl. 36, fig. D (Amsterdam).

Additional Reference: Hewitson, W. C., 1874 (December), *Illus. of Diurnal Lepidoptera*, vol. 1, p. 183, vol. 2, pl. 72, figs. 557 ♂, 558, 559 ♀ (London).

Synonyms: *baeton* Sepp.

Subspecies: *carpophora* Hewitson.

inaequalis Tutt, J. W., *Celastrina argiolus* ab.

Type Locality: Brooklyn, New York.

Location of Type:

Original Description: 1908, *Nat. Hist. British Lepidoptera*, vol. 9, p. 416 (London).

Additional References: Edwards, W. H., 1884, *Butterflies of North America*, vol. 2, p. 10, pl. 2, fig. 24 *Lycaena* (Boston, Mass.). McDunnough, J. H., 1938, *Check list*, pt. 1, p. 29, no. 475 (Los Angeles, Calif.). (Places *inaequalis* as an aberration of *pseudargiolus* Boisduval and LeConte.)

inconspicua Lathy, Percy I., *Thecia*

Type Locality: Petropolis, Brazil, August 28, 1872, 1 ♀.

Location of Type: Fournier Collection.

Original Description: 1930 (June), *Trans. Ent. Soc. London*, p. 136, pl. 9, fig. 15 ♀ (London).

Note: "This species is closely allied to *basalides* Hübner, but may be distinguished by the absence of spots near the base of the hind wing below."

inconspicua Draudt, Max, *Itylos*

Type Locality: Cuzco, Peru, 3600 meters.

Location of Type:

Original Description: 1921 (January), *The Macrolepidoptera of the World*, vol. 5, p. 822, pl. 144-m (Stuttgart).

indigo Druce, Hamilton H., *Thecla*

Type Locality: Chapada Campo, Brazil, January.

Location of Type: Godman Collection.

Original Description: 1907 (June), Proc. Zool. Soc. London, p. 609 (London).

Additional Reference: Draudt, Max, 1920 (February), The Macrolepidoptera of the World, vol. 5, p. 794 (Stuttgart). (Considers *indigo* a subspecies of *vitruvia* Hewitson.)

ines Edwards, W. H., *Thecla*

Type Locality: Southern Arizona, October.

Location of Type: Pittsburgh, Pennsylvania (Carnegie Museum).

Original Description: 1882 (February), Papilio, vol. 2, p. 25 (New York).

Additional References: Holland, W. J., 1931, The Butterfly Book, 2nd Edition, p. 240, pl. 29, fig. 35 (type) (New York, N. Y.). (This probably fixes the lectotype.) Barnes, William J. and J. H. McDunnough, 1912 (July), Contributions to the Natural History of the Lepidoptera of North America, vol. 1, no. 4, p. 57, pl. 27, figs. 5, 6, 7 (Decatur, Illinois). Stallings, D. B. and J. R. Turner, 1947 (February), Ent. News, vol. 58, p. 39 (Philadelphia, Pa.). (Places *ines* as winter form of *leda* Edwards, therefore a synonym).

infrequens Weeks, A. G., Jr., *Thecla*

Type Locality: Cusilluni, Bolivia, May, 1899. Three specimens, no type selected.

Location of Type: Museum of Comparative Zoology, Cambridge, Massachusetts.

Original Description: 1901, Ent. News, vol. 12, p. 265 (Philadelphia, Pa.).

Additional References: Weeks, A. G., Jr., 1905, Illus. of Diurnal Lepidoptera, p. 37, pl. 6, fig. 3 (Boston, Mass.). Comstock, W. P. and E. I. Huntington, 1943 (December), Ann. New York Acad. Sci., vol. 45, p. 88 (New York, N. Y.). (Remark that *infrequens* is probably not a synonym of *bazochii* Godart as stated by Draudt (1920, The Macrolepidoptera of the World, vol. 5, p. 810).

ingae Sepp, Jan, *Papilio*

Type Locality: Surinam.

Location of Type:

Original Description: 1848, Surinaamsche Vlinders, vol. 1, p. 41, pl. 17 (Amsterdam).

Additional Reference: Druce, H. H., 1907 (June), Proc. Zool. Soc. London, p. 631 (London). (Makes *ingae* a synonym of *eryx* Cramer.)

innua, *Thecla*. Misspelling of *imma* Prittwitz

Type Locality:

Location of Type:

Original Description: 1866, Zool. Record, vol. 2, p. 599 (London).

inoa Godman, F. D. and O. Salvin, *Thecla*

Type Locality: Jalapa, Mexico.

Location of Type: British Museum (Natural History).

Original Description: 1887 (September), *Biologia Centrali-Americana*, Insecta, Lepidoptera-Rhopalocera, vol. 2, p. 88, vol. 3, pl. 58, figs. 18, 19 ♂ (London).

inorata Grote, Augustus R. and Coleman T. Robinson, *Thecla*

Type Locality: New York.

Location of Type: American Museum of Natural History.

Original Description: 1868 (January), *Trans. Amer. Ent. Soc.*, vol. 1, p. 323 (Philadelphia, Pa.).

Additional Reference: Barnes, W. J. and J. H. McDunnough, 1916, *Contributions to the Natural History of the Lepidoptera of North America*, vol. 3, no. 2, p. 104 (Decatur, Illinois). (Indicate that *inorata* is a synonym of *calanus* Auctorum = *falacer* Godart.)

inorata Lathy, Percy I., *Thecla*

Type Locality: Rio Grande do Sul, Brazil.

Location of Type: Fournier Collection, Paris.

Original Description: 1936, *Livre jubilaire de M. Eugene-Louis Bouvier*, p. 229, pl. 8, fig. 3 (Paris).

insignis Godman, F. D. and O. Salvin, *Thecla*

Type Locality: Chiriquí, Panamá.

Location of Type: Staudinger Collection.

Original Description: 1887 (October), *Biologia-Centrali-Americana*, Insecta, Lepidoptera-Rhopalocera, vol. 2, p. 99 (London).

Described from a single female. Similar to *schausi*.

instita Druce, Hamilton H., *Thecla*

Type Locality: Chapada Campo, Brazil (January and March).

Location of Type: Godman Collection.

Original Description: 1907 (June), *Proc. Zool. Soc. London*, p. 618 (London).

insulanus Blackmore, E. H., *Plebeius saepiolus*

Type Locality: Victoria, B. C., May 24, 1916.

Location of Type: Canadian National Collection, Ottawa, Canada.

Original Description: 1919 (March), *Proc. Ent. Soc. British Columbia*, no. 14, p. 8, pl. 1, fig. 7 (Victoria, B. C.).

intermedia Strecker, Herman, *Lycæna lucia* ab. ♀

Type Locality: Virginia.

Location of Type:

Original Description: 1878, *Butterflies and Moths of North America*, A Complete Synonymical Catalog, p. 95, no. 136 (Reading, Pa.).

Additional Reference: Barnes, W. J. and F. H. Benjamin, 1926 (March), *Bull. Southern Calif. Acad. Sci.*, vol. 25, p. 20 (Los Angeles, Calif.). (List *intermedia* as a female form of *pseudargiolus* Boisduval and LeConte.)

intermedia Barnes, W. J. and J. H. McDunnough, *Philotes battoides*

Type Locality: Shasta County, California, third week in July.

Location of Type: United States National Museum (Barnes Collection).

Original Description: 1917 (March), Contributions to the Natural History of the Lepidoptera of North America, vol. 3, no. 4, p. 214, pl. 16, figs. 4-6 (Decatur, Illinois).

Additional Reference: McDunnough, J. H., 1938, Check list, pt. 1, p. 28, no. 466 (Los Angeles, Calif.). (Places *intermedia* as a subspecies of *glauccon* Edwards.)

Synonyms: *malcolmi* Gunder.

intermedia Chermock, F. H., *Glaucopsyche xerces* var.

Type Locality: Lone Mountain, San Francisco, California.

Location of Type: Chermock Collection?

Original Description: 1929, Bull. Brooklyn Ent. Soc., vol. 24, p. 20 (Brooklyn, N. Y.).

Additional Reference: McDunnough, J. H., 1938, Check list, pt. 1, p. 28, no. 474 (Los Angeles, Calif.). (Places *intermedia* as a synonym of *xerces* form *antiacis* Boisduval.)

invisus Butler, Arthur G. and Druce, Herbert, *Tmolus*

Type Locality: Cartago, Costa Rica.

Location of Type: British Museum (Natural History).

Original Description: 1872, Cistula Ent., vol. 1, p. 108 (London).

Additional References: Butler, A. G., 1874, Lepidoptera Exotica, p. 160, pl. 57, fig. 12 (London). Hewitson, W. C., 1874 (December), Illus. of Diurnal Lepidoptera, vol. 1, p. 159 (London). (Makes *invisus* Butler a synonym of *mulucha* Hewitson.)

inyoensis Gunder, Jean D., *Plebeius melissa* tr. f.

Type Locality: Olancha, Inyo County, California, July 2, 1925.

Location of Type: American Museum of Natural History.

Original Description: 1927 (December), Can. Ent., vol. 59, p. 281, pl. A, fig. 1 (Orillia, Ontario).

Additional Reference: McDunnough, J. H., 1938, Check list, pt. 1, p. 27, no. 450 (Los Angeles, Calif.). (Places *inyoensis* as an aberration of *melissa* Edwards.)

iodinus Kaye, W. J., *Tmolus*

Type Locality: Port of Spain, Trinidad.

Location of Type: British Museum (Natural History).

Original Description: 1914 (1913), Trans. Ent. Soc. London, pt. III, p. 569, pl. 30, fig. 12 (London).

ion Druce, Hamilton, H., *Thecla*

Type Locality: Interior of Colombia.

Location of Type: Druce Collection (♂).

Original Description: 1890, Ent. Mo. Mag., Series 2, vol. 1, p. 151 (London).

Additional Reference: Druce, H. H., 1907 (June), Proc. Zool. Soc. London, p. 576, pl. 32, fig. 7 ♂ (type) (London).

Subspecies: *extrema* Draudt.

iopas Godman, F. D. and O. Salvin, *Thecla*

Type Locality: Chontales, Nicaragua.

Location of Type: British Museum (Natural History).

Original Description: 1887 (September), *Biologia Centrali-Americana*, Insecta, Lepidoptera-Rhopalocera, vol. 2, p. 65, vol. 3, pl. 56, figs. 4, 5 ♂ (London).

ira Hewitson, W. C., *Thecla*

Type Locality: Mexico.

Location of Type: British Museum (Natural History).

Original Description: 1867, *Illus. of Diurnal Lepidoptera*, vol. 1, p. 89, vol. 2, pl. 35, figs. 81, 82 ♂ (London).

Additional Reference: Kirby, W. F., 1871, *A Synonymic Catalogue of Diurnal Lepidoptera*, p. 386, no. 117 (London). (Regards *ira* Hewitson as a homonym of *irus* Godart and makes a new name viz. *hewitsoni* Kirby.)

irioides Scudder, Samuel H., *Incisalia* (not Boisduval), Misspelling of *iroides* Boisduval

Type Locality:

Location of Type:

Original Description: 1876 (April), *Bull. Buffalo Soc. Nat. Sci.*, vol. 3, p. 104 (Buffalo, N. Y.).

iris Morris, John G., *Thecla* (not Godart) Misspelling of *irus* Godart

Type Locality:

Location of Type:

Original Description: 1862, *A Treatise on some of the insects of New England which are injurious to vegetation*, p. 97 (Washington, D. C.).

iroides Boisduval, Jean A., *Thecla*

Type Locality: California.

Location of Type: United States National Museum?

Original Description: 1852, *Ann. Soc. Ent. France*, Series 2, vol. 10, p. 289 (Paris).

Additional Reference: Oberthür, Charles 1913 (October), *Etudes de Lepidopterologie Comparee*, fase, 9, pt. 1, p. 40, pl. 235, fig. 1924 (Rennes).

Synonyms: *immaculata* Cockerell, *irioides* Scudder.

Subspecies: *annettae* dos Passos.

irus Godart, Jean B., *Polyommatus*

Type Locality: America?

Location of Type:

Original Description: 1822, *Encyclopédie Méthodique*, vol. 9, p. 674 (Paris).

Additional Reference: Boisduval, Jean A. and J. LeConte, 1833, *Histoire Générale et iconographie des Lépidoptères et des chenilles de l'Amérique Septentrionale*, p. 101, pl. 31 (Paris).

Synonyms: *arsace* Boisduval and LeConte, *balteata* Scudder, *iris* Morris.

ismarus Cramer, Pierre, *Papilio*

Type Locality: ?

Location of Type:

Original Description: 1777, *Papillons exotiques des trois parties du monde*, vol. 2, p. 123, pl. 76, fig. F (Amsterdam).Additional Reference: Druce, H. H., 1907, *Proc. Zool. Soc. London*, p. 568 (London). (Did not recognize the species.)*isobea* Butler, A. G. and Herbert Druce, *Tmolus*

Type Locality: Cartago, Costa Rica.

Location of Type: British Museum (Natural History) (Druce Collection.)

Original Description: 1872, (July), *Cistula Entomologica*, vol. 1, p. 108 (London).Additional References: Butler, A. G., 1873 (October), *Lepidoptera Exotica*, p. 161, pl. 57, fig. 2 (London). Godman, F. D. and O. Salvin, 1887 (September), *Biologia Centrali-Americana, Insecta, Lepidoptera-Rhopalocera*, vol. 2, p. 74 (London). (Make *isobea* a synonym of *bea* Cramer.)*isola* Reakirt, Tryon, *Lycaena*

Type Locality: Vera Cruz, Mexico.

Location of Type: Strecker Collection (1 ♀).

Original Description: 1866 (November), *Proc. Acad. Nat. Sci. Philadelphia*, p. 332 (Philadelphia, Pa.).Additional References: Godman, F. D. and O. Salvin, 1887 (October), *Biologia Centrali-Americana, Insecta, Lepidoptera-Rhopalocera*, vol. 2, p. 104, vol. 3, pl. 58, figs. 33, 34 ♂, 35 ♀ (London). Comstock, W. P. and E. I. Huntington, 1943 (December), *Ann. New York Acad. Sci.*, vol. 45, p. 102 (New York). Comstock, W. P., 1944 (October), *Scientific Survey of Porto Rico and the Virgin Islands*, vol. 12, pt. 4, p. 498, pl. 9, fig. 14 ♂ (New York).Note: Godman and Salvin make the female of *zachaeina* Butler and Druce the female of *isola*.Synonyms: *alce* Edwards, *nyagora* Boisduval.*isophthalma* Herrich-Schäffer, G. A. W., *Lycaena*

Type Locality: Cuba.

Location of Type:

Original Description: 1862, *Corresp.-Blatt Zool.-Min. Ver. Regensburg*, vol. 16, p. 141 (Regensburg).Additional Reference: Comstock, W. P. and E. I. Huntington, 1943 (December), *Ann. New York Acad. Sci.*, vol. 45, p. 110 (New York). (Make *isophthalma* a subspecies of *exilis* Boisduval.)*istapa* Reakirt, Tryon, *Thecla*

Type Locality: "Mexico near Vera Cruz".

Location of Type:

Original Description: 1866 (November), *Proc. Acad. Nat. Sci. Philadelphia*, p. 339, ♀ (Philadelphia, Pa.).Additional References: Field, William D., 1940, *Kansas Univ. Sci. Bull.*, vol. 26, p. 346 (Lawrence, Kansas). (Makes *istapa* a subspecies of *columella*

Fabricius.) Comstock, W. P. and E. I. Huntington, 1943 (December), Ann. New York Acad. Sci., vol. 45, p. 83, pl. 1, fig. 11 ♀ (New York).

itys Edwards, William H., *Thecla*

Type Locality: Prescott, Arizona.

Location of Type: Carnegie Museum, Pittsburgh, Pennsylvania.

Original Description: 1882 (February), *Papilio*, vol. 2, p. 23 (New York).

Additional Reference: Holland, W. J., 1931, *The Butterfly Book*, 2nd Edition, p. 238, pl. 29, fig. 17 ♀ (type) (Garden City, N. Y.). (This probably fixes the lectotype.)

ivelia Gosse, Philip Henry, *Thecla*

Type Locality: Paraguay (North bank of Paraná River, October).

Location of Type: British Museum (Natural History).

Original Description: 1880 (September), *Entomologist*, vol. 13, p. 205, pl. 2, fig. 3 ♀ (London).

Additional Reference: Druce, H. H., 1907 (June), *Proc. Zool. Soc. London*, p. 577 (London). (Said that the female type is in bad condition, Gosse's figure bad, but it is undoubtedly the female of *Thecla thara* Hewitson, and therefore a synonym.)

ixion Fabricius, Johann Christian, *Papilio*

Type Locality: "In India."

Location of Type:

Original Description: 1775, *Systema Entomologiae*, p. 523 (Flensburgi).

Additional References: Fabricius, Johann Christian, 1793, *Entomologica Systematica*, vol. 3, pt. 1, p. 265 (Hafniae). (Includes *ixion* with *mars* Fabricius.) Butler, A. G., 1870, *Catalogue of Diurnal Lepidoptera Described by Fabricius in the Collection of the British Museum*, p. 190 (London). (Says that *ixion* was distinct from *mars* Fabricius.) Druce, H. H., 1907 (June), *Proc. Zool. Soc. London*, p. 568 (London). (Says that two British Museum specimens determined as *ixion* by Butler are doubtfully distinct from *T. m-album* Boisduval and LeConte.)

Note: We cannot identify *ixion*.

Synonyms: *euripides* Fabricius, *euripedes* Kirby.